Alderlea

Cast Iron Wood Stoves

... where tradition, craftsmanship and performance meet.

by

PACIFIC ENERGY FIREPLACE PRODUCTS LTD.

It all began in the 1880's

when the community of Alderlea (ALL-DER-LEE) was just a whistle stop on Canada's rugged west coast - today those early days of Alderlea live on in what is now the Cowichan Valley, home to Pacific Energy.

Alderlea woodstoves have redefined the centuries-old charm of the cast iron stove by wrapping a graceful cast iron profile around legendary Pacific Energy steel fireboxes. This innovation delivers both radiant and convection heat for powerful performance.

In true pioneer style, The Alderlea has a practical side – a large concealed cook top, food warming shelves, an air-wash for a clear view of the fire, and an easy cleaning innovative ash disposal system.

Powered by Pacific Energy's proven steel fireboxes, the Alderlea collection will provide many years of low-maintenance operation, while delivering the ease of use and exceptional heat that comes with over 30 years of woodburning experience.

For your assurance of warmth and peace of mind, we further our commitment to quality and innovation with Pacific Energy's Limited Lifetime Warranty – we know of no better cast iron woodstove guarantee.

SMALL
For heating
up to
1500 sq ft. *

MEDIUM
For heating
up to
2000 sq ft. *

LARGE
For heating
up to
3000 sq ft. *

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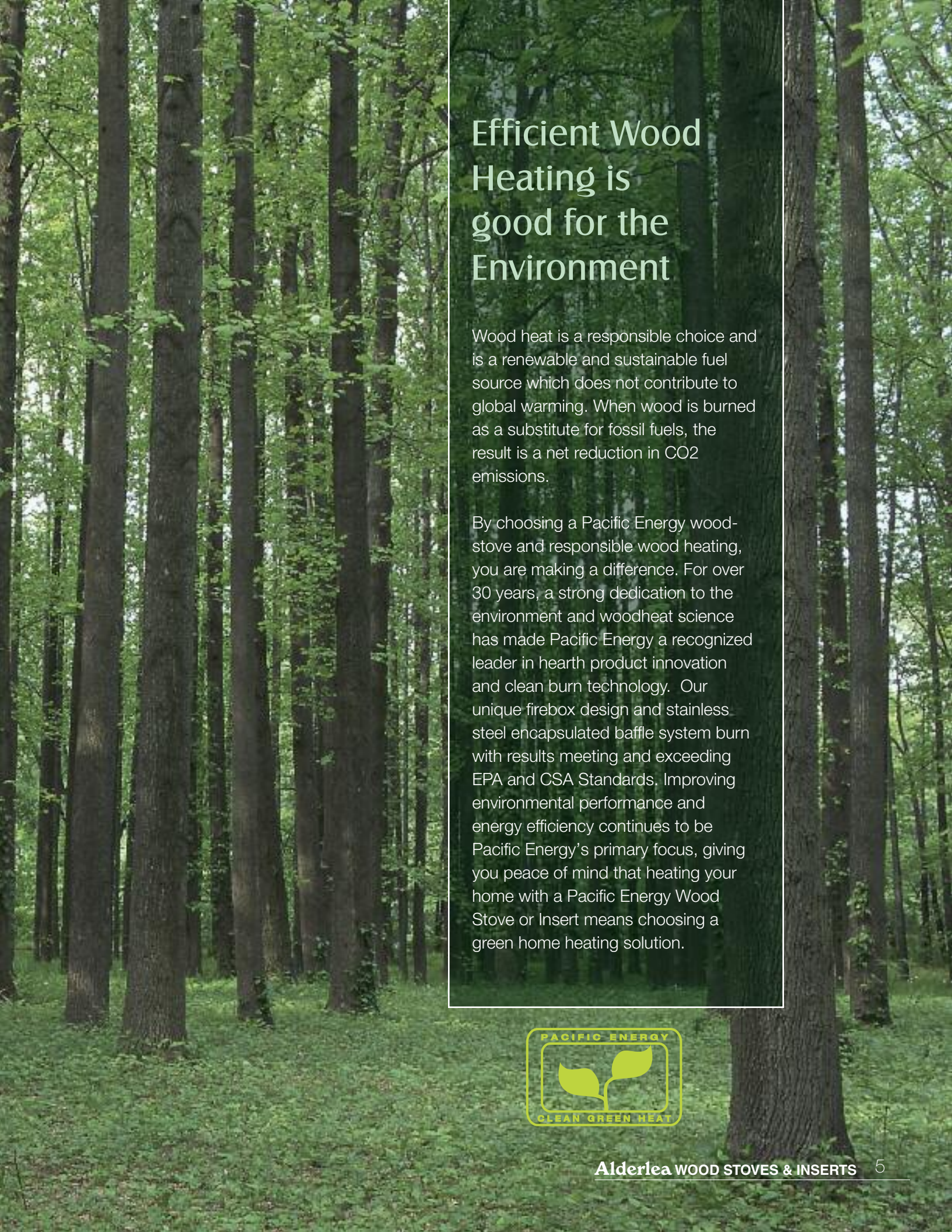
*
Heating capacity will vary depending on type of wood, floor plan, house layout, heat loss of home, and geographical location.



Efficient Wood Heating is good for the Environment

Wood heat is a responsible choice and is a renewable and sustainable fuel source which does not contribute to global warming. When wood is burned as a substitute for fossil fuels, the result is a net reduction in CO2 emissions.

By choosing a Pacific Energy wood-stove and responsible wood heating, you are making a difference. For over 30 years, a strong dedication to the environment and woodheat science has made Pacific Energy a recognized leader in hearth product innovation and clean burn technology. Our unique firebox design and stainless steel encapsulated baffle system burn with results meeting and exceeding EPA and CSA Standards. Improving environmental performance and energy efficiency continues to be Pacific Energy's primary focus, giving you peace of mind that heating your home with a Pacific Energy Wood Stove or Insert means choosing a green home heating solution.

PACIFIC ENERGY
CLEAN GREEN HEAT

The Alderlea T4

Cooktop and warming shelves.

The radiant heat of cast iron combined with the convective warmth of steel. The T4 is designed for spaces up to 1500 ^{2}ft.

The Alderlea T4 in historic cast iron incorporates all the outstanding features of the larger Alderlea woodstoves – huge glass for a full view of the fire, a cook top for peace of mind

during power outages, powerful heat output, a high efficiency rating, and user friendly operation. An effective heater with old world charm.

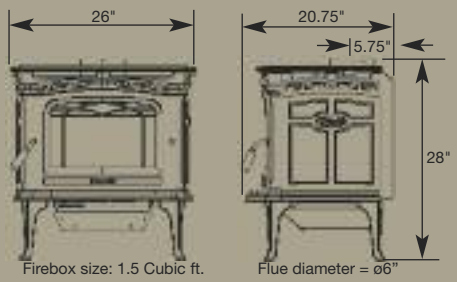
STANDARD FEATURES

- Pacific Energy's legendary steel firebox
- Reliable, durable, non-catalytic technology
- Industry-leading limited lifetime warranty
- Rich metallic black cast iron finish
- Floating firebox for extended stove life
- Air wash system for super clean glass
- Concealed swing-out cook top, fits 6" x 13" pan
- Food warming shelves
- Easy cleaning innovative ash system and chute
- Close wall clearances, without added expense of heat shields
- Steel baffle and 304 Stainless Steel insulation cover
- Inside and outside combustion air capable
- Mobile home approved

OPTIONS

- Temperature actuated 125 cfm variable speed blower
- Right handed models available
- Screen Door

Heating Capacity		1,500 sq.ft.*
HEAT OUTPUT	Cord Wood	56,000 BTU
	EPA Test Fuel	26,300 BTU
Efficiency (LHV)		80.7%
Emissions		2.9 gm/hr.
Log Size		18 inches Max.



* Figures will vary depending on type of wood, floor plan, house layout, heat loss of home, and geographical location.

The Alderlea T5

Cooktop and warming shelves.

Built around Pacific Energy's legendary Super Series steel fire-box, the Alderlea T5 combines the very best features of both cast iron and steel stoves. Beauty and strength.

Elegant, historic cast iron styling that adds to the decor of any room, radiant and convective heat, huge glass for a full view

of your fire, a concealed cook top for peace of mind during power outages all in a proven easy-lighting, clean, long-burning heater with 30 years of wood stove technology behind it.

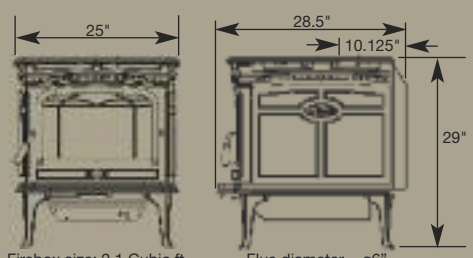
STANDARD FEATURES

- Pacific Energy's legendary steel firebox
- Reliable, durable, non-catalytic technology
- Industry-leading limited lifetime warranty
- Rich metallic black cast iron finish
- Floating firebox for extended stove life
- Air wash system for super clean glass
- Concealed swing-out cook top, fits 9" x 11" pan
- Food warming shelves
- Easy cleaning innovative ash system and chute
- Close wall clearances, without added expense of heat shields
- 304 Stainless Steel baffle, insulation cover and flame shield
- Inside and outside combustion air capable
- Mobile home approved

OPTIONS

- Temperature actuated 125 cfm variable speed blower
- Right handed models available
- Screen Door

Heating Capacity		2,000 sq.ft.*
HEAT OUTPUT	Cord Wood	72,000 BTU
	EPA Test Fuel	34,600 BTU
Efficiency (LHV)		82.6%
Emissions		3.4 gm/hr.
Log Size		18 inches Max.



Firebox size: 2.1 Cubic ft. Flue diameter = ø6"

* Figures will vary depending on type of wood, floor plan, house layout, heat loss of home, and geographical location.

The Alderlea T6

Cooktop and warming shelves.

Patented Extended Burn Technology (EBT) gives the Alderlea T6, the largest of the Alderlea cast iron stoves, all-night burns with maximum heating capacity.

Huge glass opens up the view of your fire. Large cook top surface comfortably fits a large casserole pan with warming

space to spare. The Alderlea T6, and all Pacific Energy wood stove products, are backed by our Limited Lifetime Warranty – our promise of many years of wood heat comfort.

STANDARD FEATURES

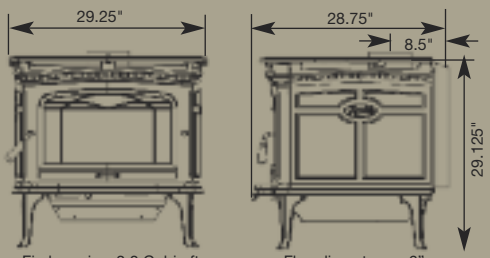
- Pacific Energy's legendary steel firebox
- Reliable, durable, non-catalytic technology
- Industry-leading limited lifetime warranty
- Rich metallic black cast iron finish
- Floating firebox for extended stove life
- Air wash system for super clean glass
- Extended Burn Technology (EBT)
- Concealed swing-out cook top, fits 12" x 15" pan
- Food warming shelves
- Easy cleaning innovative ash system and chute
- Close wall clearances, without added expense of heat shields
- 304 Stainless Steel baffle, insulation cover and flame shield
- Inside and outside combustion air capable
- Mobile home approved

(See page 17 for more about EBT)

OPTIONS

- Temperature actuated 125 cfm variable speed blower
- Right handed models available
- Screen Door

Heating Capacity		3,000 sq.ft.*
HEAT OUTPUT	Cord Wood	97,000 BTU
	EPA Test Fuel	37,500 BTU
Efficiency (LHV)		80.3%
Emissions		3.56 gm/hr.
Log Size		20 inches Max.



Firebox size: 3.0 Cubic ft. Flue diameter = ø6"

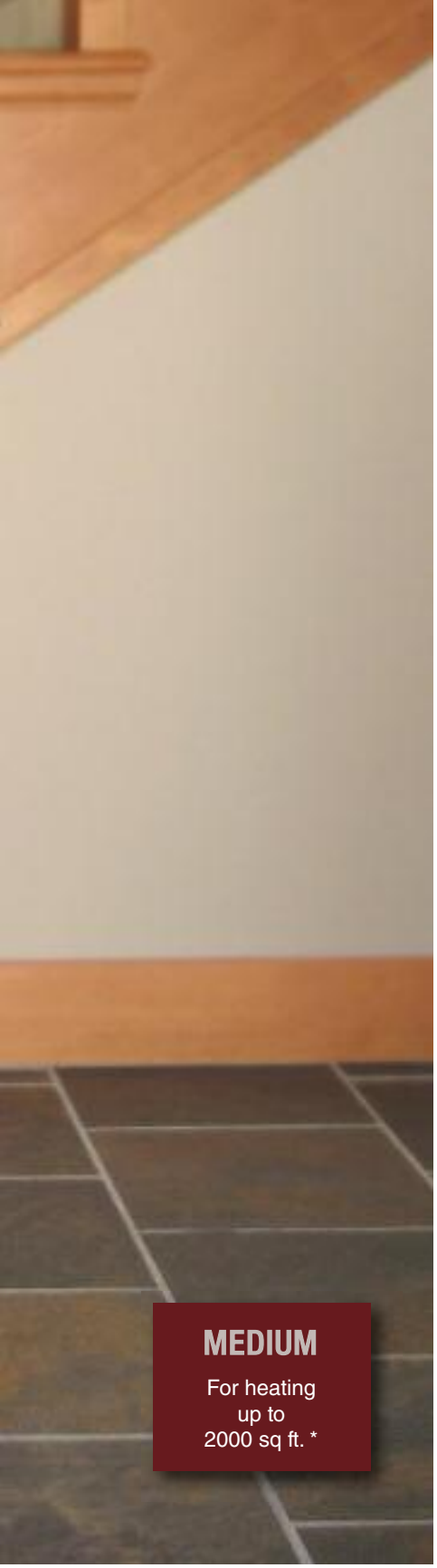
* Figures will vary depending on type of wood, floor plan, house layout, heat loss of home, and geographical location.

Majolica Porcelain model showing Cooktop and warming shelves.

The Alderlea T5 Classic

NEW

Our best selling Alderlea T5 is now wrapped in your choice of Majolica Brown or Ebony porcelain enamel. The jewel like finish adds another outstanding choice to an already outstanding list of performance and design features.



MEDIUM

For heating
up to
2000 sq ft. *

Elegant, traditional cast iron styling combined with very best features of both cast iron and steel stoves are sure to please.

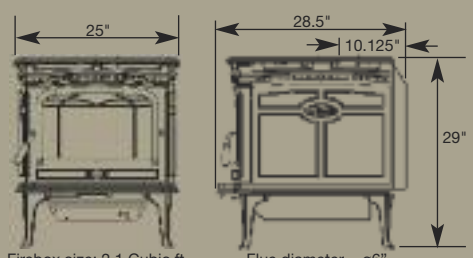
STANDARD FEATURES

- Majolica Brown or Classic Black porcelain enamel finish
- Pacific Energy's legendary steel firebox
- Reliable, durable, non-catalytic technology
- Industry-leading limited lifetime warranty
- Floating firebox for extended stove life
- Air wash system for super clean glass
- Concealed swing-out cook top, fits 9" x 11" pan
- Food warming shelves
- Easy cleaning innovative ash system and chute
- Close wall clearances, without added expense of heat shields
- 304 Stainless Steel baffle, insulation cover and flame shield
- Inside and outside combustion air capable
- Mobile home approved

OPTIONS

- Temperature actuated 125 cfm variable speed blower
- Screen Door

Heating Capacity		2,000 sq.ft.*
HEAT OUTPUT	Cord Wood	72,000 BTU
	EPA Test Fuel	34,600 BTU
Efficiency (LHV)		82.6%
Emissions		3.4 gm/hr.
Log Size		18 inches Max.



Firebox size: 2.1 Cubic ft. Flue diameter = ø6"

* Figures will vary depending on type of wood, floor plan, house layout, heat loss of home, and geographical location.

The Alderlea T5 Insert

NEW

Transform your fireplace into an efficient heating system with the Alderlea T5 Insert.

Elegant, traditional cast iron styling combined with a clean glass door and legendary Pacific Energy performance, are sure to make this into the cosiest room in your house.

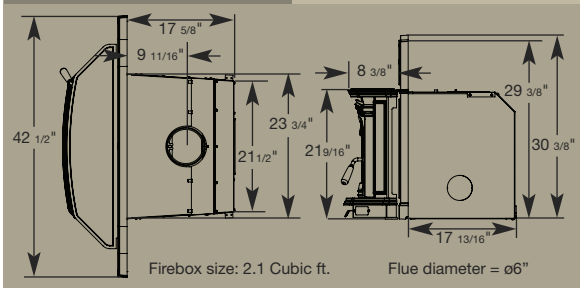
STANDARD FEATURES

- Rich metallic black cast iron
- Pacific Energy's legendary steel firebox
- Reliable, durable, non-catalytic technology
- Industry-leading limited lifetime warranty
- Air wash system for super clean glass
- Temperature actuated 160 cfm variable speed blowers
- User friendly one-touch control
- Easier, safer straight in loading
- Stainless steel floating firebox components for longer life
- Inside and outside combustion air capable

OPTION

- Screen Door
- Oversized Surround Top $42^{1/2}$ W x $33^{1/2}$ H

Heating Capacity		2,000 sq.ft.*
HEAT OUTPUT	Cord Wood	72,000 BTU
	EPA Test Fuel	34,600 BTU
Efficiency (LHV)		82.6%
Emissions		3.4 gm/hr.
Log Size		18 inches Max.



* Figures will vary depending on type of wood, floor plan, house layout, heat loss of home, and geographical location.

A History of Innovation

PACIFIC ENERGY

For more than 30 years Pacific Energy has challenged, then exceeded the traditional assumptions about wood heat. Our history of innovation is evident in our industry-leading features, our choice of the finest materials, our close eye on environmental responsibility, and our commitment to creating efficient and convenient appliances that fit your style and warm your life.

The result is a series of industry firsts, accomplished through our on-going mission to provide you with the best possible wood burning technology.

First Glass Air Wash System
– because a beautiful fire should be seen

First Floating Firebox Design
– longer stove life with unrestricted thermal expansion

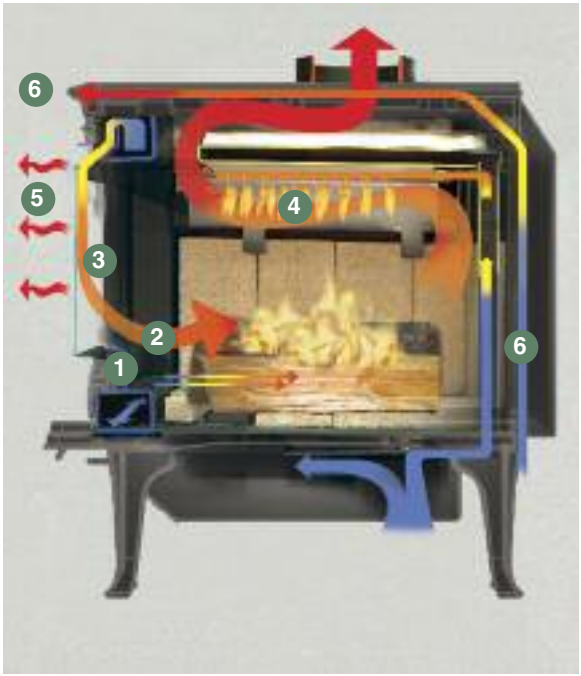
First Air Tight Ash Removal System
– for quick, clean maintenance of your stove

First Extended Burn Technology
– maximum efficiency for longer burns

Pacific Energy's **Floating Firebox** eliminates metal fatigue caused by expansion and contraction during heating and cooling. Many of the firebox components are manufactured with corrosion-resistant 304 Stainless Steel. This combination of innovation and attention to detail dramatically extends the life of your appliance.

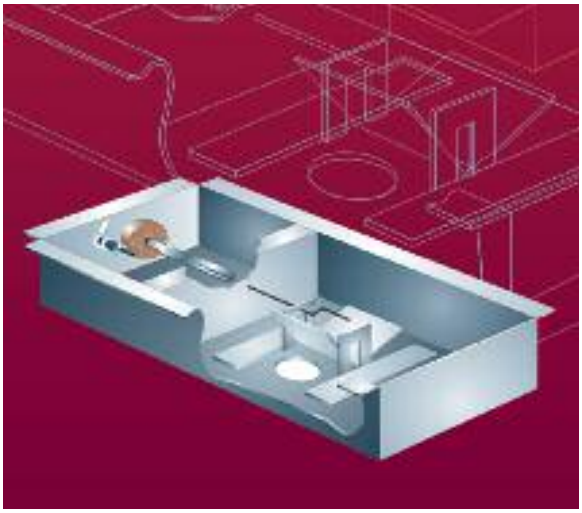
The PACIFIC ENERGY Integrated Combustion System

1. Boost Air
2. Main Combustion Air
3. Air-Wash System
4. Secondary Combustion Air
5. Radiant Heat
6. Convection Heat



Pacific Energy's patented **Extended Burn Technology** is available exclusively on T6 wood stoves. EBT regulates the flow of combustion air throughout the burn cycle and increases burn time. With EBT, your T6 will burn longer between loads and deliver more efficient fuel consumption.

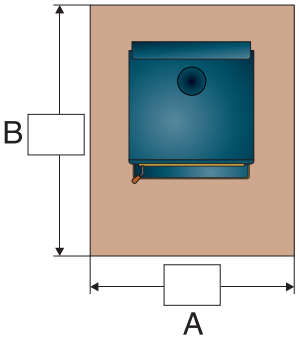
US Patent #6,041,770



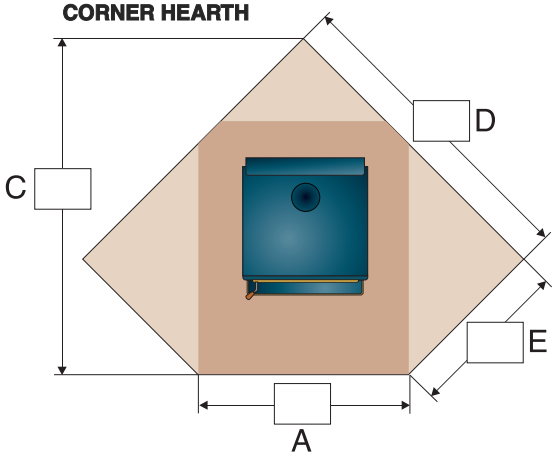
FLOOR PROTECTOR

The charts shown below give the required dimensions of floor protector sizes based on various appliance installations.

STRAIGHT HEARTH



CORNER HEARTH



CANADA

Non-combustible ember protection must be used. (Check local building codes for acceptable construction materials.)
This protection must be under the stove and must extend 18"on the firing side and 8" to the other sides.

STRAIGHT HEARTH (Extended to wall unless noted)	ALDERLEA T4		ALDERLEA T5		ALDERLEA T6	
	A	B	A	B	A	B
Minimum (Not extended)	40"	43 1/4"	40"	50 1/2"	41 1/2"	51 1/8"
Residential, single wall, vertical connector	40"	50 1/4"	40"	54 1/2"	41 1/2"	52 1/8"
Residential, single wall, horizontal connector	40"	48 1/4"	40"	50 1/2"	41 1/2"	53 1/8"
Residential, double wall, vertical connector	40"	42 1/4"	40"	47 1/2"	41 1/2"	49 1/8"
Residential, double wall, horizontal connector	40"	42 1/4"	40"	47 1/2"	41 1/2"	53 1/8"
Alcove, double wall, connector	40""	46 1/4"	40"	52 1/2"	41 1/2"	52 1/8"
Mobile home	40"	47 1/4"	40"	50 1/2"	41 1/2"	50 1/8"

CORNER HEARTH (Extended to wall unless noted)	ALDERLEA T4				ALDERLEA T5				ALDERLEA T6			
	A	C	D	E	A	C	D	E	A	C	D	E
Minimum (Not extended)	40"	58 1/8"	55 1/4"	27"	40"	63 5/8"	59 1/8"	30 7/8"	41 1/2"	63 5/8"	59 1/8"	30 7/8"
Residential, single wall, vert/horz connector	40"	60 7/8"	57 1/4"	29"	40"	67 7/8"	62 1/8"	33 7/8"	41 1/2"	61"	57 3/4"	28 3/8"
Residential, double wall, vert/horz connector	40"	51"	50 1/4"	22"	40"	58"	55 1/8"	26 7/8"	41 1/2"	61"	57 3/4"	28 3/8"
Mobile home	40"	58 1/8"	55 1/4"	27"	40"	63 5/8"	59 1/8"	30 7/8"	41 1/2"	62 3/8"	58 3/4"	29 3/8"

USA

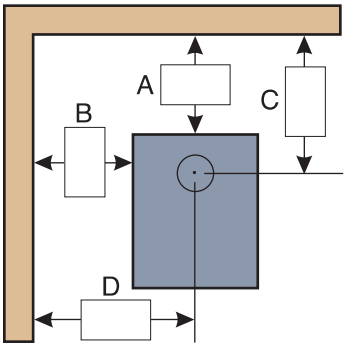
Non-combustible ember protection must be used. (Check local building codes for acceptable construction materials.)
This protection must be under the stove and must extend 16" to the front and 8" to the sides of the fuel loading door opening.
This protection is also required under the chimney connector and 2" beyond each side.

STRAIGHT HEARTH (Extended to wall unless noted)	ALDERLEA T4		ALDERLEA T5		ALDERLEA T6	
	A	B	A	B	A	B
Minimum (Not extended)	32"	33 1/4"	34"	40 1/2"	36"	40 1/2"
Residential, single wall, vertical connector	32"	48 1/4"	34"	52 1/2"	36"	49 1/2"
Residential, single wall, horizontal connector	32"	46 1/4"	34"	48 1/2"	36"	50 1/2"
Residential, double wall, vertical connector	32"	40 1/4"	34"	45 1/2"	36"	46 1/2"
Residential, double wall, horizontal connector	32"	40 1/4"	34"	45 1/2"	36"	50 1/2"
Alcove, double wall, connector	32"	44 1/4"	34"	50 1/2"	36"	49 1/2"
Mobile home	32"	45 1/4"	34"	48 1/2"	36"	47 1/2"

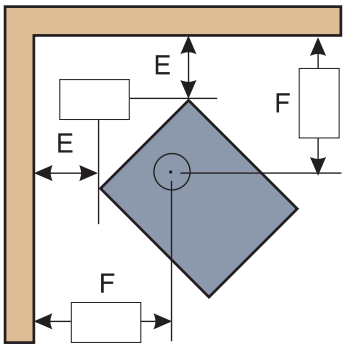
CORNER HEARTH (Extended to wall unless noted)	ALDERLEA T4				ALDERLEA T5				ALDERLEA T6			
	A	C	D	E	A	C	D	E	A	C	D	E
* Minimum (Not extended)	32"	53 1/4"	50 3/8"	25"	34"	49 7/8"	47 3/8"	23 1/4"	36"	53 1/4"	50 3/8"	25"
Residential, single wall, vert/horz connector	32"	58 7/8"	53"	30 3/8"	34"	65 7/8"	58 3/8"	34 1/4"	36"	59"	54 3/8"	29"
Residential, double wall, vert/horz connector	32"	49"	46"	23 3/8"	34"	55 5/8"	51 3/8"	27 1/4"	36"	59"	54 3/8"	29"
Mobile home	32"	56 1/8"	51"	28 3/8"	34"	61 1/4"	55 3/8"	31 1/4"	36"	60 3/8"	55 3/8"	30"

Note: In most practical applications the floor protection will extend to the back wall. In Canada and U.S.A. it is not required that the floor protection extend to the wall and in such cases floor protector sizes may vary slightly. Please refer to manual for details. Manuals are available on our website: **www.pacificenergy.net**

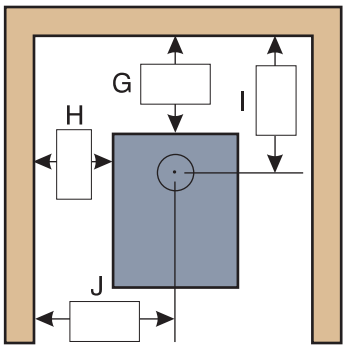
MINIMUM CLEARANCES TO COMBUSTIBLES



STRAIGHT



CORNER



ALCOVE

RESIDENTIAL SINGLE WALL CONNECTOR*

* Pipe shield may be required – consult local codes

		Straight Installation Vertical Connector				Straight Installation Horizontal Connector				Corner Installation		Alcove Installation			
MODEL	From top of stove to ceiling	A	B	C	D	A	B	C	D	E	F	G	H	I	J
T4	56 3/4" (1441mm)	15"	14"	20 3/4"	26"	13"	14"	18 3/4"	26"	10"	22 5/8"	N/A	N/A	N/A	N/A
T5	55 1/4" (1403 mm)	12"	18"	22"	30"	8"	14"	18"	26"	11"	25"	N/A	N/A	N/A	N/A
T6	56 1/2"(1409 mm)	9"	12"	17 1/2"	24 3/4"	10"	12"	18 1/2"	24 3/4"	4"	18 3/4"	N/A	N/A	N/A	N/A

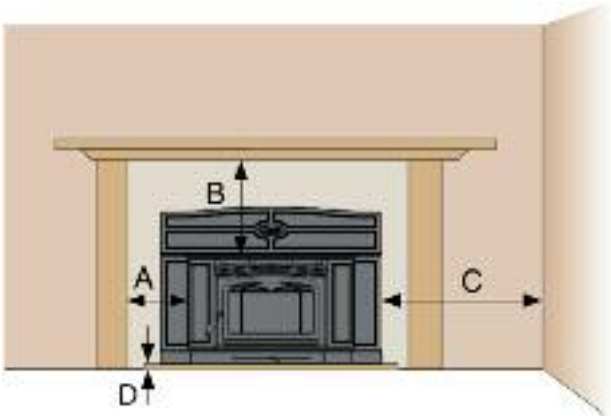
RESIDENTIAL DOUBLE WALL CONNECTOR

		Straight Installation Vertical Connector				Straight Installation Horizontal Connector				Corner Installation		Alcove Installation **			
MODEL	From top of stove to ceiling	A	B	C	D	A	B	C	D	E	F	G	H	I	J
T4	56 3/4" (1441mm)	7"	12"	12 3/4"	24"	7"	12"	12 3/4"	24"	3"	15 5/8"	11"	12"	16 3/4"	24"
T5	55 1/4" (1403 mm)	5"	14"	15"	26"	5"	14"	15"	26"	4"	18"	10"	16"	20"	28"
T6	56 1/2"(1409 mm)	6"	12"	14 1/2"	24 3/4"	10"	12"	18 1/2"	24 3/4"	4"	18 3/4"	9"	15"	17 1/2"	27 3/4"

** Please refer to manuals for minimum height and maximum depth of alcove.

MOBILE HOME DOUBLE WALL CONNECTOR

		Straight Installation Vertical Connector				Straight Installation Horizontal Connector				Corner Installation		Alcove Installation			
MODEL	From top of stove to ceiling	A	B	C	D	A	B	C	D	E	F	G	H	I	J
T4	56 3/4" (1441mm)	12"	12"	17 3/4"	24"	N/A	N/A	N/A	N/A	8"	20 5/8"	N/A	N/A	N/A	N/A
T5	55 1/4" (1403 mm)	8"	16"	18"	28"	N/A	N/A	N/A	N/A	8"	22"	N/A	N/A	N/A	N/A
T6	56 1/2"(1409 mm)	7"	14"	15 1/2"	26 3/4"	N/A	N/A	N/A	N/A	5"	19 3/4"	N/A	N/A	N/A	N/A



MINIMUM CLEARANCESTO COMBUSTIBLES (Measured from insert body)			
A	Side Facing	6.5 in.	165 mm
B	Mantel	16 in.	406 mm
C	Adjacent Side Wall	20.5 in.	521 mm
D	Fireplace Hearth Pad	2 in.	51 mm

... where tradition, craftsmanship and performance meet.

For your assurance of warmth and peace of mind, we further our commitment to quality and innovation with Pacific Energy's Limited Lifetime Warranty – we know of no better cast iron woodstove guarantee.

FSC
Mixed Sources
Product group from well-managed forests, controlled sources and recycled wood or fiber
Cert no. SW-COC-001659
www.fsc.org
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PACIFIC ENERGY

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www.pacificenergy.net
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